

Storm Data and Unusual Weather Phenomena

April 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
INDIANA, Northeast							
Allen County							
Ft Wayne	06	0200EST			0 0	25K	Thunderstorm Wind
							Warehouse at 4413 Dalman Rd had garage door and north wall blown out.
Allen County							
Hessan Castle	06	0205EST			0 0	2K	Thunderstorm Wind
							Fence destoryed. Post driven through a bedroom window. Gutter blown off a house.
Wabash County							
2 E Lagro	07	2320EST			0 0		Hail(0.88)
Elkhart County							
Goshen	08	2318EST			0 0		Hail(1.00)
Cass County							
Walton	09	1729EST			0 0		Hail(0.88)
Miami County							
Grissom Afb	09	1733EST			0 0		Hail(0.88)
Wabash County							
Somerset	09	1733EST			0 0		Hail(0.75)
Cass County							
Onward	09	1735EST			0 0		Hail(1.00)
Miami County							
7 SSW Peru	09	1744EST			0 0		Hail(1.75)
Miami County							
Mexico	09	1745EST			0 0		Hail(1.00)
Miami County							
9 SSE Peru	09	1750EST			0 0		Hail(1.00)
Pulaski County							
3 NW Medaryville	09	1752EST			0 0		Hail(1.75)
Miami County							
Bunker Hill	09	1755EST			0 0		Hail(1.75)
							Several cars were reported damaged by the large hail.
Starke County							
3 SW North Judson	09	1756EST			0 0		Hail(1.75)
Miami County							
1 W Peru	09	1800EST			0 0		Hail(0.75)
Wabash County							
9 S Wabash	09	1823EST			0 0		Hail(0.75)
Grant County							
3 W Marion to Marion	09	1825EST			0 0		Hail(0.88)
Wabash County							
Somerset	09	1829EST			0 0		Hail(0.75)
Grant County							
8 E Marion	09	1845EST			0 0		Hail(1.75)
Grant County							
Marion	09	1845EST			0 0		Hail(0.88)
							Power lines reported blown down.
Cass County							
Lake Cicott	09	1850EST			0 0		Hail(0.75)
Fulton County							
Fulton	09	1856EST			0 0		Hail(1.25)

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INDIANA, Northeast							
Grant County							
Arcana	09	1900EST			0 0	0	Thunderstorm Wind
							Roof blown off a barn.
Miami County							
2 N Peru to Erie	09	1900EST			0 0	50K	Thunderstorm Wind
							Several homes sustained window and siding damage due to the hail and high winds.
Miami County							
Erie	09	1903EST			0 0		Hail(1.75)
Grant County							
Arcana	09	1905EST			0 0		Hail(2.00)
Wabash County							
Somerset	09	1909EST			0 0		Hail(1.25)
Wabash County							
1 SW Wabash	09	1909EST			0 0		Hail(1.00)
Wabash County							
3 S Wabash to 1 S Wabash	09	1909EST			0 0		Hail(0.88)
Blackford County							
2 N Hartford City	09	1920EST			0 0		Hail(4.50)
							Power lines down.
Blackford County							
Hartford City	09	1923EST			0 0		Hail(1.75)
							Golfball size hail reported across the county.
Wabash County							
Somerset	09	1924EST			0 0		Hail(1.00)
Wabash County							
La Fontaine	09	1928EST			0 0		Hail(0.88)
Blackford County							
3 NE Hartford City	09	1930EST			0 0		Hail(0.88)
Grant County							
Marion	09	1930EST			0 0		Hail(1.00)
Grant County							
Arcana	09	1935EST			0 0		Hail(1.75)
Grant County							
Arcana	09	1935EST			0 0	150K	Thunderstorm Wind
							Several roofs reported blown off. Many trees down.
Jay County							
14 NW Portland	09	1940EST			0 0		Hail(1.75)
Jay County							
Pennville	09	1942EST			0 0		Hail(1.75)
De Kalb County							
Auburn	09	1948EST			0 0		Hail(1.00)
							Reported along CR 35 on the east side of Auburn.
Jay County							
Portland	09	1953EST			0 0		Hail(1.75)
Blackford County							
Hartford City	09	1955EST			0 0		Hail(1.75)
Jay County							
Redkey	09	2002EST			0 0	0	Thunderstorm Wind

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INDIANA, Northeast

Trees down.

White County 6 W Brookston	09	2255EST			0	0			Hail(0.75)
White County 6 W Chalmers	09	2312EST			0	0			Hail(0.75)
Kosciusko County 2 N North Webster	10	0058EST			0	0			Hail(0.75)
Noble County Cromwell	10	0110EST			0	0			Hail(0.75)
Noble County Ligonier	10	0117EST			0	0			Hail(1.75)
Lagrange County Topeka	10	0125EST			0	0			Hail(0.75)
White County 1 S Reynolds	10	0128EST			0	0			Hail(0.75)
Noble County Rome City	10	0133EST			0	0			Hail(1.75)
Noble County Ligonier	10	0145EST			0	0			Hail(1.25)
Steuben County 1 W Salem Center	10	0154EST			0	0			Hail(0.88)
Steuben County Angola	10	0208EST			0	0			Hail(0.88)

Synoptic and mesoscale conditions on April 9th, 2001...

A stalled frontal boundary extended from northern Ohio back west into northeast Missouri with a developing surface low pressure wave near Quincy, Illinois Monday afternoon. This wave intensified late in the afternoon as a shortwave trough embedded within the southern periphery of a significant upper jet maxima of 120 knots over Minnesota pulled out into the upper Midwest. Wind profilers at both Wolcott, Indiana and Winchester, Illinois indicated rapid backing low level winds and increasing speed convergence around 2500 feet coincident with rapid convective initiation along the frontal boundary from Logansport to Rensselaer.

Storms rapidly intensified with CAPES (Convective Available Potential Energy, a measure of parcel buoyancy) south of the frontal boundary up to 3000 J/kg. In addition...several storm scale mergers were observed with a left over outflow boundary from prior convection. Thunderstorm intensification was very rapid owing to the large amount of instability in place along and south of a Monticello to Muncie line. Deep layer shear to 50 knots was more than sufficient for supercell development. Indeed most storms along the outflow boundary exhibited strong rotation...mainly at mid-levels but two storms in particular that moved across Cass, Miami, Grant, Blackford and Jay exhibited persistent, deep rotation with several funnel cloud reports but failed to produce any confirmed tornadoes. However...these two storms did produce prodigious large hail...up to 4.5 inches in diameter just north of Hartford City.

White County Brookston	10	0014EST			0	0			Hail(0.88)
White County Wolcott	10	0014EST			0	0			Hail(0.88)
Kosciusko County 1 S Sidney	12	0047EST			0	0	0		Thunderstorm Wind
Trees and power lines blown down.									
INZ004>005-014-014	St. Joseph - Elkhart - Marshall								
	12	0700EST 1000EST			0	1	0		High Wind (G52) ^M

A large tree and several limbs were blown down in Granger leaving 2600 people without power for a time. An additional 2900 people were without power across the county with several tree limbs blown down on power lines.

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>INDIANA, Northeast</u>									
Cass County									
2 SE Royal Center	23	1506EST			0	0	0		Thunderstorm Wind
One large tree blown down across the road along 400N and US 35.									
Cass County									
5 NW Logansport	23	1508EST			0	0	0		Thunderstorm Wind
Large tree blown down.									
Miami County									
Macy	23	1515EST			0	0	0		Thunderstorm Wind
Large tree limbs down on several roads.									
Miami County									
5 E Peru	23	1515EST			0	0	0		Thunderstorm Wind
Several tree limbs blown down along Wabash road.									
Kosciusko County									
1 NW North Webster	23	1537EST			0	0	0		Thunderstorm Wind
Large limb blown down.									
Starke County									
San Pierre	23	1705EST			0	0	0		Thunderstorm Wind
Large tree blown down taking power lines down with it.									
Pulaski County									
3 S Medaryville	23	1725EST			0	0	0		Thunderstorm Wind
Large tree blown down along US 421.									

Storm Data and Unusual Weather Phenomena

May 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
INDIANA, Northeast									
Adams County 5 SW Berne	15	1600EST			0	0			Hail(0.75)
Adams County 9 NNE Decatur	15	1624EST			0	0			Hail(0.75)
Elkhart County Dunlap	15	1653EST			0	0			Hail(1.00)
Elkhart County Goshen	15	1724EST			0	0			Hail(0.75)
Elkhart County 5 SW Goshen	15	1730EST			0	0	0		Thunderstorm Wind
		Three foot diameter tree blown down.							
Elkhart County Goshen	15	1734EST			0	0			Hail(0.75)
		West side of Goshen							
Elkhart County Goshen	15	1734EST			0	0			Hail(0.75)
		North side of Goshen.							
Elkhart County 1 N Goshen	15	1741EST			0	0			Hail(1.00)
Elkhart County 2 S Goshen	15	1742EST			0	0			Hail(1.00)
Elkhart County Goshen	15	1742EST			0	0			Hail(0.75)
		South side of Goshen.							
Elkhart County Goshen	15	1743EST			0	0			Hail(0.75)
Elkhart County 3 S Benton	15	1745EST			0	0			Hail(1.25)
Elkhart County New Paris	15	1752EST			0	0	0		Thunderstorm Wind
		Eight inch branches down on north side of New Paris.							
Elkhart County 1 E New Paris	15	1813EST			0	0			Hail(0.75)
Elkhart County Goshen	15	1814EST			0	0	0		Thunderstorm Wind
		Trees and 3 to 4 inch limbs down on south side of Goshen.							
Noble County Wolflake	15	1855EST			0	0	0		Thunderstorm Wind
		Trees down across road.							
Adams County 9 N Decatur	15	1920EST			0	0			Hail(1.00)
Whitley County Churubusco	15	1920EST			0	0			Hail(0.75)
Adams County 1 NW Decatur	15	1927EST			0	0			Hail(1.00)
Adams County Decatur	15	1928EST			0	0			Hail(0.75)
Adams County 1 NE Decatur	15	1930EST			0	0			Hail(1.25)

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Property Damage	Estimated Damage Crops	Character of Storm
INDIANA, Northeast									
Lagrange County									
1 W Topeka	15	1955EST			0	0			Hail(0.75)
Pulaski County									
Francesville	16	1115EST			0	0			Hail(1.00)
Cass County									
Lake Cicott	16	1307EST			0	0			Hail(1.00)
Cass County									
1 SW Logansport	16	1319EST			0	0			Hail(1.75)
Miami County									
1 NW Santa Fe	16	1449EST			0	0			Hail(0.75)
Cass County									
Galveston	16	1836EST			0	0			Hail(0.88)
Allen County									
1 W Grabill	18	1538EST	0.1	10	0	0	0.50K	0	Tornado (F0) F0 tornado damaged roof of barn. Some debris slightly damaged home.
Miami County									
1 SW Bunker Hill	23	1659EST			0	0			Hail(1.75)
Miami County									
Peru	23	1708EST			0	0			Hail(0.75)
Miami County									
1 N Peru	23	1715EST			0	0			Hail(1.75)
Miami County									
Chili	23	1725EST			0	0			Hail(1.75)
La Porte County									
Michigan City	24	1542EST			0	0			Hail(1.50)
La Porte County									
Michigan City	24	1548EST			0	0			Hail(1.75)
Cass County									
Logansport	26	1603EST			0	0			Hail(0.75)
Miami County									
Peru	26	1622EST			0	0	0		Thunderstorm Wind Power lines down in county.
Marshall County									
Plymouth	26	1630EST			0	0	4K		Thunderstorm Wind Large tree down on roof of house.
Miami County									
Peru	26	1630EST			0	0	0		Thunderstorm Wind Power lines down in county.
Wabash County									
Roann	26	1630EST			0	0			Hail(1.00)
Wabash County									
3 NE Wabash	26	1639EST			0	0	0.10K		Thunderstorm Wind Twelve inch diameter trees snapped off 12 feet above ground. Shed damaged and moved.
Starke County									
4 ESE Knox	26	1642EST			0	0	0		Thunderstorm Wind Tree down across road.
Huntington County									
5 N Huntington	26	1700EST	0.1	10	0	0	0		Tornado (F0) Brief touchdown in field. No damage

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INDIANA, Northeast

Wabash County

Wabash 26 1700EST
1701EST 0.1 20 0 0 2.5K Tornado (F0)

F0 tornado damaged ne corner of garage and nearby shed.

Huntington County

3 NE Roanoke 26 1710EST 0 0 18K Thunderstorm Wind

3 telephone poles down, large tree down, roof damage.

Allen County

3 WSW Ft Wayne 26 1735EST 0.1 10 0 0 2K Tornado (F0)

Brief touchdown knocked down large trees and power lines. Some roof damage.

Allen County

Ft Wayne 26 1745EST
1748EST 3 300 0 3 6.5M Tornado (F2)

Tornado touched down as as F1 at the Northcrest shopping mall on the northwest side of Fort Wayne. Damaged to mall and surrounding businesses. Cars flipped over in parking lot with one person injured. Tornado then briefly lifted and touched down one half mile to the northeast as an F2. Extensive damage to the Papermill subdivision with F2 damage to two homes, an office complex, a retirement home, and a steeple torn off a church. One injury at the retirement home and one in the subdivision. Tornado proceeded northeast with F0-F1 damage to the Concordia Seminary and adjacent structures before the tornado lifted on the northeast side of the Seminary grounds.

De Kalb County

1 N St Joe 26 1820EST 0.1 10 0 0 0 Tornado (F0)



The tornado was caught on film by Joe Carrol near Ryans restaurant looking northeast as it skipped through downtown Fort Wayne. Mainly F1 damage was left in its wake as depicted in the storm damage survey photo on the right.

Brief touchdown near CR 56 and CR 59. No damage.

Synoptic and mesoscale conditions and event summary for Saturday May 26th, 2001

A low topped supercell thunderstorm developed in Cass county Indiana, and moved northeast through the Fort Wayne metropolitan area and into northwest Ohio. This thunder storm produced several tornadoes and numerous funnel clouds. The wind field was favorable for rotating storms on with strong veering in the KIWX Wind Profile. This was on the south side of a unseasonably cold closed upper low in the mid and upper levels. Surface temperatures in the lower 50s, and scattered showers were against strong thunder storm development. However sunshine over central Indiana allowed enough heating for a thunder storm to develop and quickly began rotating.

Storm Data and Unusual Weather Phenomena

May 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Property Damage	Crops	Character of Storm
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MICHIGAN, Extreme Southwest

Berrien County									
Buchanon	07	0135EST			0	0	0		Thunderstorm Wind
	Trees down.								
Berrien County									
Coloma	07	0142EST			0	0	0		Thunderstorm Wind
	Power lines down.								
Berrien County									
Sodus	07	0142EST			0	0	0		Thunderstorm Wind
	Power lines down.								
St. Joseph County									
1 N Sturgis	25	1023EST	0.1	10	0	0	0		Tornado (F0)
	Brief touchdown in field near airline road. No damage.								

OHIO, Northwest

Van Wert County									
2 N Wren	15	1940EST			0	0			Hail(1.25)
Van Wert County									
Wren	15	1945EST			0	0			Hail(0.75)
Williams County									
2 NW Edgerton	26	1845EST	0.1	10	0	0	4K		Tornado (F0)
	Brief touchdown damaged barn, some structural damage to house, tree snapped.								

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INDIANA, Northeast									
St. Joseph County									
South Bend	11	0115EST			0	0	0		Thunderstorm Wind
			Large trees down blocking road						
La Porte County									
La Porte	11	0135EST			0	0	0		Thunderstorm Wind
			Large trees uprooted in La Porte						
La Porte County									
Westville	11	0140EST			0	0	2K		Thunderstorm Wind
			Large tree fell on vehicle, intersection of Plain and Washington. Road closed much of day.						
La Porte County									
La Porte	12	0030EST			0	0	10K		Thunderstorm Wind
			Large tree crushed a garage and 1991 Cadillac Seville parked inside.						
La Porte County									
La Porte	12	0030EST			0	0	1K		Thunderstorm Wind
			Back end of 1987 Toyota damaged by large tree branch.						
La Porte County									
Michigan City	12	0030EST			0	1	15K		Thunderstorm Wind
			Trees fell on 3 houses causing damage. Girl sleeping in one of the homes suffered broken arm when tree fell into bedroom.						
La Porte County									
Michigan City	12	0030EST			0	0	0		Thunderstorm Wind (G52)
			Trees down in Michigan City. Ham reports 60 MPH gust.						
La Porte County									
La Porte Arpt	12	0040EST			0	0	0		Thunderstorm Wind (G54) ^M
La Porte County									
Wanatah	12	0040EST			0	0	2K		Thunderstorm Wind
			150 FT field irrigation system blown from field north side of U.S. 30 across highway.						
St. Joseph County									
South Bend	12	0056EST			0	0	0		Thunderstorm Wind
			Trees and power lines down in South Bend.						
Marshall County									
Plymouth	12	0120EST			0	0	3K		Thunderstorm Wind
			Large tree fell near home, knocked down two NIPSCO power poles.						
Starke County									
3 W North Judson	12	0125EST			0	0	0		Thunderstorm Wind
			Trees down.						
Starke County									
North Judson	12	0125EST			0	0	0		Thunderstorm Wind
			Power lines down in North Judson.						
Kosciusko County									
4 NNE North Webster	12	0130EST			0	0	0		Thunderstorm Wind (G60) ^M
			60 mph wind gust measured by Off-Duty NWS employee.						
Elkhart County									
1 SW Elkhart	12	0135EST			0	0	0		Thunderstorm Wind
			Trees down						
Marshall County									
Countywide	12	0135EST 0145EST			0	0	10K		Thunderstorm Wind
			Several trees, power lines and power poles down across the county.						
Elkhart County									
2 SW Waterford Mills	12	0138EST			0	0	1.5K		Thunderstorm Wind
			Tree down on car.						

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INDIANA, Northeast							
Elkhart County							
Goshen	12	0140EST			0 0	10K	Thunderstorm Wind
							Five utility poles snapped, numerous car windows broken by fallen tree limbs, Ford Pinto crushed by tree.
Fulton County							
Countywide	12	0140EST 0145EST			0 0	0	Thunderstorm Wind
							Trees and power lines down especially in eastern part of county.
Pulaski County							
Winamac	12	0140EST			0 0	0	Thunderstorm Wind
							Trees and power lines down. Reported by COOP Observer.
Kosciusko County							
3 WSW North Webster	12	0145EST			0 0	5K	Thunderstorm Wind
							Large tree limb down on house.
Kosciusko County							
1 NE North Webster	12	0145EST			0 0	0	Thunderstorm Wind
							Large tree branches down.
Lagrange County							
Countywide	12	0145EST 0155EST			0 0	0	Thunderstorm Wind
							Trees and power lines down scattered throughout the county.
Noble County							
Ligonier	12	0145EST			0 0	15K	Thunderstorm Wind
							Utility poles and large trees down. Minor damage to several homes, uprooted trees destroyed some sidewalks.
Kosciusko County							
2 SW North Webster	12	0146EST			0 0	3K	Thunderstorm Wind
							Several large trees down and boat piers blown onshore in Mead Park.
Kosciusko County							
North Webster	12	0147EST			0 0	20K	Thunderstorm Wind
							Large tree down crushed side of small house.
Steuben County							
Orland	12	0155EST			0 0	0	Thunderstorm Wind
							Trees and power lines down.
Noble County							
Albion	12	0200EST			0 0		Thunderstorm Wind (G61)
							Trees down.
Noble County							
Kendallville	12	0200EST			0 0	0	Thunderstorm Wind
							Trees snapped and uprooted.
De Kalb County							
1 N Garrett	12	0203EST			0 0	5K	Thunderstorm Wind
							Mobile home blown off foundation. Roof damage to some homes.
De Kalb County							
Butler	12	0205EST			0 0	0.75K	Thunderstorm Wind
							Roof blown off porch of house.
Whitley County							
Tri Lakes	12	0205EST			0 0	0.50K	Thunderstorm Wind
							Large limbs down on car.
Cass County							
Countywide	12	0210EST 0220EST			0 0	0	Thunderstorm Wind
							Numerous trees down especially in northern and central part of county.

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INDIANA, Northeast									
Steuben County									
Countywide	12	0210EST 0220EST			0	0	0		Thunderstorm Wind
			Trees down across the county.						
Wabash County									
Countywide	12	0210EST 0220EST			0	0	0		Thunderstorm Wind
			Trees and power lines down especially in northern part of county.						
White County									
Monticello	12	0210EST			0	0	0		Thunderstorm Wind
			Trees down						
Allen County									
Countywide	12	0215EST 0245EST			0	0	0		Thunderstorm Wind
			Widespread trees and power lines down across the county.						
Steuben County									
2 SW Angola	12	0215EST			0	0	1K		Thunderstorm Wind
			Older barn flattened and windows broken out of home on Golden Lake.						
Huntington County									
Roanoke	12	0220EST			0	0	0		Thunderstorm Wind
			Power lines down						
White County									
Chalmers	12	0220EST			0	0	0		Thunderstorm Wind
			Large limbs down.						
Miami County									
4 W Peru	12	0230EST			0	0	3K		Thunderstorm Wind
			Large tree and telephone poles down.						
Wells County									
Ossian	12	0230EST			0	0	0		Thunderstorm Wind
			Large tree limbs down.						
Wells County									
1 SW Bluffton	12	0245EST			0	0	0		Thunderstorm Wind
			Tree down						
Wells County									
1 SE Bluffton	12	0245EST			0	0	0		Thunderstorm Wind
			Power line down						
Grant County									
Hanfield	12	0250EST			0	0	0		Thunderstorm Wind
			Power lines down						
Grant County									
Marion	12	0300EST			0	0	0		Thunderstorm Wind
			Power lines down						
Grant County									
5 SW Marion	12	0310EST			0	0	0		Thunderstorm Wind
			Two trees down.						
Jay County									
Countywide	12	0315EST			0	0	0		Thunderstorm Wind
			Trees down across the county						
Allen County									
Woodburn	13	1724EST			0	0			Hail(1.75)
Allen County									
3 NW Woodburn	13	1735EST			0	0			Hail(0.75)

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INDIANA, Northeast									
Whitley County									
3 SE South Whitley	19	1600EST			0	0			Hail(0.75)
Whitley County									
5 NE South Whitley	19	1614EST			0	0			Hail(0.88)
Allen County									
7 NW Ft Wayne	19	1640EST			0	0			Hail(0.75)
Kosciusko County									
Piercetown	19	1640EST			0	0			Hail(0.75)
Allen County									
2 S Huntertown	19	1644EST			0	0			Hail(0.88)
Allen County									
5 NNW Ft Wayne	19	1650EST			0	0			Hail(0.88)
Whitley County									
5 S Columbia City	19	1650EST			0	1			Lightning
12 year old girl struck by lightning. Treated and released from hospital.									
Allen County									
7 N Ft Wayne	19	1654EST			0	0			Hail(1.00)
Whitley County									
Churubusco	19	1655EST			0	0			Hail(1.00)
Miami County									
Mexico	19	1659EST			0	0	2.5K		Thunderstorm Wind
Numerous trees down. One house damaged.									
Allen County									
5 NW Ft Wayne	19	1700EST			0	0			Hail(0.88)
Cass County									
Logansport	19	1700EST			0	0	0		Thunderstorm Wind
Numerous trees down.									
Allen County									
2 E Ft Wayne	19	1702EST			0	0			Hail(1.00)
Noble County									
2 SE Wolflake	19	1714EST			0	0	0		Thunderstorm Wind
Trees down on CR 250W.									
Whitley County									
3 W Etna	19	1727EST			0	0	0		Thunderstorm Wind
Trees down.									
Whitley County									
5 N Larwill	19	1727EST			0	0	0		Thunderstorm Wind
Trees down.									
Allen County									
Ft Wayne	19	1730EST			0	0	0		Thunderstorm Wind
Power lines down.									
Kosciusko County									
2 N Piercetown	19	1742EST			0	0			Hail(0.75)
Noble County									
2 NE Rome City	19	1744EST			0	0	0		Thunderstorm Wind
Trees and power lines down.									
Whitley County									
Churubusco	19	1744EST			0	0			Hail(1.00)

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<u>INDIANA, Northeast</u>									
Allen County Ft Wayne	19	1745EST			0	0			Hail(0.88)
Wabash County 2 N Disko	19	1745EST			0	0			Hail(1.75)
Noble County Rome City	19	1747EST			0	0	5K		Thunderstorm Wind
		Utility pole down on house.							
Noble County Rome City to 3 S Rome City	19	1755EST			0	0			Hail(1.75)
Whitley County 3 S Columbia City	19	1756EST			0	0	0		Thunderstorm Wind
		Trees down.							
Allen County Ft Wayne	19	1758EST			0	0			Hail(1.00)
Allen County 2 E Ft Wayne	19	1802EST			0	0			Hail(1.00)
Steuben County Crooked Lake	19	1810EST			0	0			Hail(0.75)
Steuben County Crooked Lake	19	1813EST			0	0	10K		Thunderstorm Wind
		Trees and power lines down. NIPSCO had some broken utility poles.							
De Kalb County Butler	19	1820EST			0	0			Hail(1.00)
Steuben County Crooked Lake	19	1833EST			0	0	0		Thunderstorm Wind
		Trees and power lines down.							
Kosciusko County 5 W North Webster	19	1842EST			0	0	0		Thunderstorm Wind
		Large tree blown down on Armstrong Rd.							
Noble County Kendallville	19	1900EST			0	0	13.5K		Lightning
		Lightning strikes caused fires at 2 homes.							
Lagrange County Ontario	19	1904EST			0	0			Hail(1.75)
<u>MICHIGAN, Extreme Southwest</u>									
Berrien County Three Oaks	11	0045EST 1245EST			0	0	0		Thunderstorm Wind
		Large tree limbs down							
Berrien County 3 S Sawyer	12	0027EST			0	0	0		Thunderstorm Wind
		Large trees down between Sawyer and Three Oaks							
Cass County Countywide	12	0030EST 0100EST			0	0	0		Thunderstorm Wind
		Large trees and and some wires down across the county.							
Berrien County 5 E Benton Center	12	0040EST			0	0	800K		Lightning

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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MICHIGAN, Extreme Southwest

Lightning struck the Briarwood apartments in Benton township. 35 residents evacuated. Roof of building and two apartments destroyed, with some damage to other apartments.

Cass County							
Edwardsburg	12	0040EST			0	0	2K
							Thunderstorm Wind
							Several trees uprooted and roof blown off barn.
Cass County							
Union	12	0100EST			0	0	0
							Thunderstorm Wind
							Large trees down.
St. Joseph County							
Countywide	12	0110EST 0125EST			0	0	0
							Thunderstorm Wind
							Large trees down throughout the county with Three Rivers and Constantine hardest hit.
St. Joseph County							
Three Rivers	12	0110EST			0	0	0
							Thunderstorm Wind
							Trees down in Three Rivers
Branch County							
6 NW Coldwater	12	0117EST			0	0	0
							Thunderstorm Wind
							Trees down.
Branch County							
Countywide	12	0140EST 0150EST			0	0	0
							Thunderstorm Wind
							Power lines and trees down at scattered locations throughout county.
Hillsdale County							
7 S Hillsdale	12	0150EST			0	0	0
							Thunderstorm Wind
							Trees down.
							Synoptic and Mesoscale discussion

At the surface, low pressure was nearly stationary over southeast Minnesota, with a quasi-stationary front extending southeast toward northern Indiana. Thunderstorms on the cool side of the boundary over MN in the afternoon developed into a large scale bow echo across Wisconsin in the evening, which continued southeast across the KIWX warning area between midnight and 4am. A weak low level veering wind profile under warm advection was present ahead of the bow echo. Evening soundings indicated cape of 2000-3800 j/kg. Bow was moving into progressively less unstable airmass and weaker warm advection which resulted in weakening trend as it moved over Northern Indiana, Southwest Michigan and Northwest Ohio. Despite the slow weakening trend low level base velocity on the KIWX 88-D continued to indicate areas of >64kt winds especially over northern and western parts of the warning area.

Hillsdale County							
Hillsdale	19	2015EST			0	0	0
							Thunderstorm Wind
							Two trees blown down and transformer knocked out.

OHIO, Northwest

Defiance County							
Ney	12	0215EST			0	0	0
							Thunderstorm Wind
							One tree down.
Paulding County							
2 N Payne	12	0230EST			0	0	0
							Thunderstorm Wind
							Tree down
Defiance County							
Independence	12	0235EST			0	0	1K
							Thunderstorm Wind
							Telephone pole snapped

Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Property Damage	Estimated Damage Crops	Character of Storm
<u>OHIO, Northwest</u>									
Paulding County									
Payne	12	0235EST			0	0	0		Thunderstorm Wind
		Tree down.							
Henry County									
Holgate	12	0245EST			0	0	0		Thunderstorm Wind
		Tree down.							
Henry County									
Liberty Center	12	0245EST			0	0	0		Thunderstorm Wind
		Tree down.							
Van Wert County									
Converse to Convoy	12	0250EST			0	0	0		Thunderstorm Wind
		Large branches down.							
Putnam County									
Belmore	12	0310EST			0	0	0		Thunderstorm Wind
		Trees down on power lines.							
Putnam County									
Leipsic	12	0310EST			0	0	0		Thunderstorm Wind
		Trees and power lines down.							
Putnam County									
Pandora	12	0320EST			0	0	0		Thunderstorm Wind
		Tree down.							
Allen County									
1 SW Cairo	12	0340EST			0	0	3K		Thunderstorm Wind
		Telephone poles down.							
Williams County									
5 S Bryan	19	1806EST			0	0			Hail(0.75)
Williams County									
5 W Bryan	19	1828EST			0	0			Hail(1.00)
Fulton County									
Wauseon	19	1843EST			0	0			Hail(0.88)
Fulton County									
Wauseon	19	1844EST			0	0			Hail(1.75)
Fulton County									
2 E Wauseon	19	1845EST			0	0			Hail(1.00)
Fulton County									
1 SE Delta	19	1855EST			0	0			Hail(1.00)
Fulton County									
2 E Delta	19	1902EST			0	0			Hail(1.00)

Storm Data and Unusual Weather Phenomena

July 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
INDIANA, Northeast									
Starke County									
1 S Knox	04	0511EST			0	0			Hail(1.00)
Starke County									
5 E Knox	04	0514EST			0	0			Hail(1.00)
Marshall County									
3 NNE Bourbon	04	0530EST			0	0	0		Thunderstorm Wind
			Tree down on Cedar Rd. and CR 9B. Large limbs down.						
St. Joseph County									
Sbn Michiana Arpt	04	0708EST			0	0			Hail(0.88)
Elkhart County									
1 SW Elkhart	04	0715EST			0	0	0		Thunderstorm Wind
			Tree down across CR 16 west of SR 19.						
Starke County									
Toto	04	1407EST			0	0			Hail(0.88)
Starke County									
North Judson	04	1509EST			0	0			Hail(0.75)
Fulton County									
2 SSE Kewanna	04	1520EST			0	0			Hail(1.00)
Cass County									
2 N Logansport	04	1555EST			0	0	0		Thunderstorm Wind
			Trees down on power lines.						
La Porte County									
Michigan City	07	0645EST			0	0			Urban/Sml Stream Fld
			Roads flooded in Michigan City with a few stalled vehicles.						
Fulton County									
Rochester	07	0737EST			0	1			Lightning
			One person hit by lightning.						
Wabash County									
La Fontaine	07	0745EST			0	0	50K		Lightning
			A two story wood frame house was destroyed by fire after being struck by lightning. No injuries.						
Fulton County									
Akron	07	0819EST			0	0			Hail(1.00)
Grant County									
Marion	07	0850EST			0	0	0		Thunderstorm Wind
			A large tree was uprooted on the east side of the Grant county fairgrounds. The tree blocked the entrance to the grounds and hit power lines cutting power to the fairgrounds into early afternoon.						
Wabash County									
Countywide	07	0900EST			0	0			Urban/Sml Stream Fld
			Water over roads throughout the county.						
Fulton County									
Countywide	07	1000EST			0	0			Urban/Sml Stream Fld
			Water over roads and some basements flooded especially in the Rochester and Akron areas. Mill Creek in Rochester out of its' banks but did not affect any structures. Many reports of more than 5 inches of rain in 2 to 3 hours.						
White County									
3 S Wolcott	08	1628EST			0	0			Thunderstorm Wind (G58) ^M
White County									
Wolcott	08	1630EST			0	0	0		Thunderstorm Wind
			Several trees down in Wolcott.						
Miami County									
1 SW Bunker Hill	08	1709EST			0	0	0		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

July 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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INDIANA, Northeast

Several trees down blocking road.

Cass County Clymers

08 1710EST **0 0 5K** **Thunderstorm Wind**
Five homes slightly damaged and garage moved off foundation. Trees down throughout town.

Cass County Logansport

08 1710EST **0 0 1K** **Thunderstorm Wind**
Large tree blown onto garage.

Miami County Bunker Hill

08 1710EST **0 0 0** **Thunderstorm Wind**
Numerous trees and power lines down.

Pulaski County 7 SW Francesville to 8 S Francesville

10 1509EST **1 30 0 0 0** **Tornado (F0)**
Tornado crossed into Pulaski county from Jasper county and traveled for about one mile before lifting. Funnel cloud was visible for another 15 minutes before dissipating near the Pulaski and White county line. Tornado was down in corn field.

Huntington County Warren

10 1611EST **0 0 0** **Thunderstorm Wind**
Large tree limb down.

Adams County Berne

21 1630EST **0 0 0** **Thunderstorm Wind**
Power lines down.

Adams County Berne

21 1700EST **0 0 0** **Urban/Sml Stream Fld**
Up to 4 inches of rain fell in about 1 and 1/2 hours causing most streets to flood and water in some basements.

Steuben County Fremont

21 1700EST **0 0 9K** **Urban/Sml Stream Fld**
Store located in "a small gully" as described by owner experienced water up to the owners knee after rainfall of around 2 inches in 3 hours. No injuries.

Wells County 4 W Uniondale

23 2330EST **0 0 25K** **Lightning**
Fire caused by lightning strike gutted 2nd story of wood frame house.

Grant County Swayzee

**29 0900EST
1100EST** **0 0** **Urban/Sml Stream Fld**
Stalled cars due to high water on SR 13 north of Swayzee and at intersection of SR 26.

MICHIGAN, Extreme Southwest

Berrien County 3 S Bridgman

01 1700EST **1 0** **Rip Currents**
13 year old girl drowned at Warren Dunes State Park. Police and park rangers believe girl was caught in rip current near shore.
F13IW

Hillsdale County Hillsdale

21 1600EST **1 0** **Lightning**
Man went outside to check possible lightning damage to barn. While standing outside of barn was hit by lightning and died shortly after at Hillsdale Community Health Center.
M51OU

Storm Data and Unusual Weather Phenomena

July 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>OHIO, Northwest</u>									
Paulding County									
5 W Paulding	10	1515EST			0	0	0.50K		Thunderstorm Wind
			Trees down and windows blown out of house.						
Paulding County									
1 W Paulding	10	1515EST			0	0	0		Thunderstorm Wind
			Trees down and old barn blown over.						
Allen County									
Delphos	10	1545EST			0	0	0		Thunderstorm Wind
			Trees and power lines down.						
Allen County									
5 W Lima	10	1605EST			0	0	0		Thunderstorm Wind
			Trees and power lines down.						
Van Wert County									
Van Wert	21	1537EST			0	0			Thunderstorm Wind (G57)^M
Van Wert County									
2 N Van Wert	21	1544EST			0	0	0		Thunderstorm Wind
			Trees down.						
Van Wert County									
Van Wert	21	1555EST			0	0	0		Thunderstorm Wind
			Trees down.						
Fulton County									
Metamora	29	2028EST			0	0			Hail(1.00)

Storm Data and Unusual Weather Phenomena

August 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
INDIANA, Northeast							
Grant County							
Gas City	09	1322EST 1425EST			0 0	0	Urban/Sml Stream Fld
Intersections flooded at SR 15 and 22, and SR 9 and 22, and SR 22 and US 35.							
Grant County							
Jonesboro	09	1458EST 1530EST			0 0	0	Flash Flood
US 22 and 35 at CR 400 W impassable up to 1.5 ft of water. Many other roads flooded in Jonesboro. About 10 homes with basement flooding. Factory evacuated and water being pumped out. Vehicle rescue attempted at 10th Street in Jonesboro, occupant made it to safety.							
La Porte County							
Michigan City	09	2140EST			0 0	0	Thunderstorm Wind
Power lines and a tree down.							
St. Joseph County							
Countywide	09	2148EST 2210EST			0 0	0	Thunderstorm Wind
Trees and power lines down across county.							
St. Joseph County							
Sbn Michiana Arpt	09	2210EST			0 0	0	Thunderstorm Wind
Power lines down at entrance to airport on Highway 20.							
Elkhart County							
Wakarusa	09	2220EST			0 0	0	Thunderstorm Wind
Large tree limbs down.							
White County							
Buffalo	18	1459EST			0 0		Hail(1.75)
White County							
Buffalo	18	1459EST			0 0	0	Thunderstorm Wind
Numerous trees down.							
White County							
Chalmers	18	1503EST			0 0		Hail(0.75)
Fulton County							
1 SW Rochester	18	1510EST			0 0		Hail(0.75)
Cass County							
2.5 N Logansport	18	1545EST			0 0	0	Thunderstorm Wind
Trees down.							
Wabash County							
1 S Urbana	18	1600EST			0 0	20K	Thunderstorm Wind
Five utility poles fell across SR 13, blocking traffic for up to two hours as power companies worked to shut off power to live electrical wires. The poles had to be replaced before power could be restored.							
Wabash County							
Wabash	18	1615EST			0 0	25K	Thunderstorm Wind
A tree was blown down in the 200 block of Elm Street, damaging several automobiles. A downed tree blocked the road and downed a power line at 62 W. Harrison Street. Another downed tree blocked the intersection of Hawthorne and Lafayette Streets.							
Cass County							
Galveston	18	1630EST			0 0		Hail(0.88)
Reported by public.							
Miami County							
Wawpecong	18	1635EST			0 0		Hail(0.88)
Huntington County							
Huntington	18	1645EST			0 0	0	Thunderstorm Wind (G60)
Reported by amateur radio operator.							

Storm Data and Unusual Weather Phenomena

August 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
INDIANA, Northeast									
Grant County									
Fairmount	18	1700EST			0	0			Hail(0.88)
Grant County									
Mier	18	1700EST			0	0			Hail(0.75)
Huntington County									
Markle	18	1700EST			0	0	0		Thunderstorm Wind
			Numerous trees and power lines down.						
Allen County									
Ft Wayne	18	1705EST 1715EST			0	0	0		Thunderstorm Wind
			Numerous power lines down and traffic lights out.						
Grant County									
Gas City	18	1710EST			0	0			Hail(0.75)
Allen County									
1 NE Ft Wayne	18	1720EST			0	0	2K		Thunderstorm Wind
			Tree fell on automobile.						
Allen County									
1 NE Ft Wayne	18	1725EST			0	0	5K		Thunderstorm Wind
			Tree fell on house.						
Blackford County									
Hartford City	18	1725EST			0	0	0		Thunderstorm Wind
			Several large limbs down.						
Wells County									
Ossian	18	1725EST			0	0	0		Thunderstorm Wind
			Numerous trees down.						
Adams County									
Decatur	18	1730EST			0	0	25K		Thunderstorm Wind
			The Quality Glass store at 12th Street and Nuttman Avenue had the top section of its roof torn off by a thunderstorm wind gust. Damage to the roof was estimated to be between \$10,000 and \$15,000. Debris from the roof was blown across 12th Street and onto a parked car and into two yards. A power pole behind the building was also damaged and had to be replaced.						
Blackford County									
3 SE Hartford City	18	1730EST			0	0	0		Thunderstorm Wind
			Large limbs down with some blocking road.						
Adams County									
Decatur	18	1741EST			0	0			Hail(0.88)
Adams County									
1 N Decatur	18	1745EST			0	0	0		Thunderstorm Wind
			Numerous power lines down.						
Adams County									
1 N Decatur	18	1749EST			0	0			Hail(0.75)
Adams County									
Decatur	18	1749EST			0	0			Thunderstorm Wind (G60)
St. Joseph County									
South Bend	22	0241EST			0	0			Hail(1.75)
Kosciusko County									
Warsaw	22	0415EST			0	0	0		Thunderstorm Wind
			Tree blown down on SR 25.						
Wabash County									
Wabash	22	0505EST			0	0			Hail(0.75)
Wabash County									
North Manchester	22	0514EST			0	0			Hail(0.88)

Storm Data and Unusual Weather Phenomena

August 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
INDIANA, Northeast									
Elkhart County									
Elkhart	22	1530EST			0	1			Lightning
A 24-year old male was struck by lightning at Flexco Products at 2415 Bryant Street in Elkhart.									
Allen County									
5 N Grabill	22	1700EST			0	0			Hail(1.00)
De Kalb County									
Auburn	22	1705EST			0	0	5K		Thunderstorm Wind
A mobile home on CR 427 was knocked on its side. Large tree limbs crushed the side of the trailer. A newspaper report stated that a citizens' band radio tower, set in cement, also toppled over and bent across the trailer. At another property across the street several trees were knocked down and two large pine trees were uprooted.									
Elkhart County									
Goshen	22	1705EST			0	0	0		Thunderstorm Wind
Tree blown down.									
Elkhart County									
Goshen	22	1708EST			0	0	1K		Thunderstorm Wind
Tree fell onto truck.									
Allen County									
Grabill	22	1715EST			0	0			Hail(1.00)
De Kalb County									
2 S Auburn	22	1715EST			0	0	0		Thunderstorm Wind (G75) ^M
A wind gust at DeKalb County Airport was measured at 75 mph. Strong winds split the trunk of a large tree near a house on DeKalb County Road 60, between the DeKalb County Airport and County Road 427. Winds tore the roof off of a barn east of the airport on DeKalb County Road 60 near the Meese Chapel United Methodist Church. Winds also blew down tents that had been set up at Kruse Auction Park in preparation for the Labor Day weekend classic car auction.									
Allen County									
Leo	22	1717EST			0	0			Hail(0.88)
Elkhart County									
Middlebury	22	1718EST			0	0	0		Thunderstorm Wind
Power lines blown down.									
Elkhart County									
Elkhart	22	1720EST			0	0	0		Thunderstorm Wind
Tree blown down.									
Allen County									
Grabill	22	1732EST			0	0			Hail(2.00)
Allen County									
Woodburn	22	1734EST			0	0			Hail(0.75)
Allen County									
Woodburn	22	1740EST			0	0			Hail(1.50)
Allen County									
Harlan	22	1744EST			0	0			Hail(1.75)
Allen County									
Harlan	22	1744EST			0	0	0		Thunderstorm Wind
Trees down.									
Allen County									
Woodburn	22	1744EST			0	0			Hail(2.00)
Allen County									
Zulu	22	1800EST			0	0			Hail(2.50)
Marshall County									
2 NW Plymouth	22	1805EST			0	0	0		Thunderstorm Wind
Trees blown down.									

Storm Data and Unusual Weather Phenomena

August 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
INDIANA, Northeast									
Lagrange County									
Lagrange	22	1815EST			0	0	0		Thunderstorm Wind
			Trees and power lines down.						
Noble County									
Wawaka	22	1815EST			0	0			Hail(1.75)
Noble County									
Albion	22	1825EST			0	0			Hail(1.00)
Whitley County									
4 NW Columbia City	22	1825EST			0	0			Hail(0.75)
Kosciusko County									
North Webster	22	1830EST			0	0	0		Thunderstorm Wind
			Tree blown down.						
Kosciusko County									
3 SE Syracuse	22	1830EST			0	0	0		Thunderstorm Wind
			Trees blown down.						
Kosciusko County									
Warsaw	22	1830EST			0	0	0		Thunderstorm Wind
			Trees blown down.						
Whitley County									
5 W Columbia City	22	1834EST			0	0			Hail(1.00)
Elkhart County									
Bristol	22	1835EST			0	0	0		Thunderstorm Wind
			Tree blown down.						
Elkhart County									
New Paris	22	1840EST			0	0	0		Thunderstorm Wind
			Tree blown down.						
Whitley County									
5 N Columbia City	22	1841EST			0	0			Hail(2.00)
Whitley County									
5 N Columbia City	22	1841EST			0	0			Thunderstorm Wind (G60) ^M
Whitley County									
2 E Columbia City	22	1850EST			0	0			Hail(0.75)
Elkhart County									
Elkhart	22	1855EST			0	0	0		Thunderstorm Wind
			Tree blown down onto power lines.						
St. Joseph County									
Mishawaka	22	1900EST			0	1			Lightning
			A Mishawaka man was indirectly hit by lightning while sitting on a vinyl chair on his apartment balcony. Lightning apparently hit a gutter on an overhang above him.						
Allen County									
Huntertown	22	1915EST			0	0			Hail(0.88)
Fulton County									
5 NW Rochester	22	1915EST			0	0	0		Thunderstorm Wind
			Trees blown down.						
Kosciusko County									
Warsaw	22	1920EST			0	0	0		Thunderstorm Wind
			Trees blown down.						
Kosciusko County									
15 S Burket	22	1930EST			0	0	50K		Lightning
			Lightning struck a house on CR 900S. When the lightning bolt hit the house items were knocked off the wall and electrical sockets were blown out of the wall. Damage to the residence was estimated at \$50,000.						

Storm Data and Unusual Weather Phenomena

August 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
INDIANA, Northeast									
Kosciusko County									
4 SE Oswego	22	1930EST			0	0	0		Thunderstorm Wind
									Trees blown down.
Kosciusko County									
20 S Warsaw	22	1930EST			0	0	20K		Lightning
									Lightning apparently started a fire which destroyed a barn near the intersection of CR 450S and County Farm Road. The remains of the barn were discovered around 1:20 am EST by a Kosciusko County Sheriff's deputy on routine patrol.
Kosciusko County									
Warsaw	22	1930EST			0	0	0		Thunderstorm Wind
									Two oak trees completely uprooted at the corner of High and Market Streets in downtown Warsaw.
Pulaski County									
Countywide	22	1930EST			0	0	0		Thunderstorm Wind
									Trees blown down countywide.
Fulton County									
Countywide	22	1939EST			0	0	0		Thunderstorm Wind
									Trees and power lines down countywide.
Pulaski County									
3 W Winamac	22	1944EST			0	0	10K		Thunderstorm Wind
									Grain elevator damaged.
Adams County									
Decatur	22	1947EST			0	0	0		Thunderstorm Wind
									Trees and power lines blown down.
Fulton County									
2 NW Rochester	22	1950EST			0	0	10K		Lightning
									Lightning struck a wood-frame barn west of Rochester. It burned it to the ground before firefighters could arrive on the scene.
Cass County									
Logansport	22	2020EST			0	0	0		Thunderstorm Wind
									Tree blown down.
Cass County									
Logansport	22	2030EST			0	0	0		Thunderstorm Wind
									Trees blown down.
Miami County									
Countywide to Peru	22	2030EST			0	0	0		Thunderstorm Wind
									Numerous trees and power lines blown down.
Wabash County									
Wabash	22	2030EST			0	0	500K		Lightning
									A lightning strike caused a fire at the administration building of North Central Co-op in Wabash. The building is located at the southwest corner of Cass and Fulton Streets. Damage was estimated to be as high as a half million dollars.
Fulton County									
Rochester	22	2031EST			0	0	5K		Thunderstorm Wind
									A tree fell on a vehicle in the 1300 block of Madison Street in Rochester. Another tree fell on a vehicle in the 1300 block of Franklin Avenue.
La Porte County									
Westville	25	1830EST			0	0	0		Thunderstorm Wind
									Tree blown down on U.S. Hwy 6.
La Porte County									
3 SW La Porte	25	1845EST	0.1	20	0	0			Tornado (F0)
									An F0 tornado touched down in a field approximately 3 miles southwest of the city of La Porte near the intersection of County Roads 400 South and 500 West. The only damage was to corn and beans.
La Porte County									
2 SW La Porte	25	1913EST			0	0			Funnel Cloud

Storm Data and Unusual Weather Phenomena

August 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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INDIANA, Northeast

Miami County

Converse	30	1615EST			0	0			Hail(0.75)
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MICHIGAN, Extreme Southwest

Berrien County

5 SW Bridgman

17 1000EST

1 0

Rip Currents

A 17-year old male drowned while swimming in Lake Michigan at Warren Dunes State Park. Officials at the scene said that wave heights were up to six feet. A rip current apparently pulled him underwater.

M17IW

OHIO, Northwest

Allen County

2 SW Lima

02 1355EST

0 0 0

Thunderstorm Wind

Trees down in Shawnee.

Van Wert County

3 SE Convoy

18 1757EST

0 0 0

Thunderstorm Wind

Power lines down.

Williams County

Bryan

22 1525EST

0 0 10K

Thunderstorm Wind

Tree blown down onto trailer.

Paulding County

2 W Mc Gill

22 1744EST

0 0

Hail(1.00)

Paulding County

Mc Gill

22 1744EST

0 0

Hail(1.00)

Paulding County

1 W Payne

22 1748EST

0 0

Hail(1.00)

Paulding County

1 W Mc Gill

22 1800EST

0 0

Hail(2.75)

Van Wert County

Wren

22 2020EST

0 0 0

Thunderstorm Wind

Tree blown down onto power lines.

Van Wert County

Ohio City

22 2030EST

0 0 0

Thunderstorm Wind

Tree blown down onto power lines.

Storm Data and Unusual Weather Phenomena

September 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Persons Injured	Estimated Damage Property	Crops	Character of Storm
INDIANA, Northeast									
Elkhart County									
Elkhart	07	1600EST			0	0			Lightning
									Lightning struck a bank at 100 Easy Shopping Place in Elkhart. A teller at the Bank One drive-through reported receiving a jolt when the building was apparently struck.
Kosciusko County									
3 S Syracuse	07	1625EST			0	0	0		Thunderstorm Wind
									Numerous trees down.
Noble County									
Ligonier	07	1710EST			0	0	0		Thunderstorm Wind
									Numerous trees down.
St. Joseph County									
South Bend	08	1312EST			0	0	0		Thunderstorm Wind
									Tree blown down.
St. Joseph County									
Mishawaka	08	1330EST			0	2			Lightning
									Two men were struck by lightning while working on a car in Mishawaka.
Wells County									
3 S Bluffton	08	1633EST			0	0	0		Thunderstorm Wind
									Trees blown down.
Blackford County									
5 N Hartford City	08	1643EST			0	0	0		Thunderstorm Wind
									Two power poles and power lines blown down.
Stauben County									
1 N Hamilton	09	1743EST			0	0	0		Thunderstorm Wind
									Tree blown down.
Grant County									
2 SW Marion	23	1717EST			0	0			Hail(0.88)
Grant County									
2 NW Gas City	23	1728EST			0	0	0		Thunderstorm Wind
									Six trees, each approximately 12 inches in diameter, were blown down.
Grant County									
Countywide	23	1730EST			0	0	0		Thunderstorm Wind
									High winds brought down numerous power lines across Grant County. As many as 300 people were without power in the Gas City and South Marion areas until around 8:45 pm Sunday night. An additional 200 people were without power throughout the rest of the county.
Grant County									
Gas City	23	1730EST			0	0			Hail(0.75)
Grant County									
Gas City	23	1730EST			0	0	0		Thunderstorm Wind
									Numerous power and telephone lines blown down.
Grant County									
Marion	23	1730EST			0	0	2K		Thunderstorm Wind
									A large tree at 1623 East 37th Street in Marion was blown down by thunderstorm wind gusts. The tree brought down utility lines, damaged a garage roof, and blocked part of a road.
Grant County									
Marion	23	1730EST			0	0	0		Thunderstorm Wind
									Two trees blown down on Meridian Street between 50th and 53rd Streets.

MICHIGAN, Extreme Southwest

St. Joseph County									
Three Rivers	07	1710EST			0	0	0		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

September 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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MICHIGAN, Extreme Southwest

			Approximately a dozen trees blown down.						
Hillsdale County									
Reading	07	1831EST			0	0	0		Thunderstorm Wind
		Numerous trees blown down.							
Hillsdale County									
Hillsdale	07	1841EST			0	0	0		Thunderstorm Wind
		Three power lines blown down.							
Berrien County									
Buchanon	08	1327EST			0	0	0		Thunderstorm Wind
		Trees blown down.							
Cass County									
Dowagiac	08	1350EST			0	0	0		Thunderstorm Wind
		Telephone pole blown down.							
St. Joseph County									
Three Rivers	08	1405EST			0	0	0		Thunderstorm Wind
		Numerous trees and power lines blown down.							
Hillsdale County									
Reading	09	1745EST			0	0	0		Thunderstorm Wind
		Tree blown down.							
Hillsdale County									
Countywide	09	1750EST 1800EST			0	0	0		Thunderstorm Wind
		Trees and large limbs down.							
Hillsdale County									
Somerset	09	1750EST			0	0	0		Thunderstorm Wind
		Tree blown down on Somerset Road.							

OHIO, Northwest

Paulding County									
Antwerp	08	1800EST			0	0	0		Thunderstorm Wind
		Power lines blown down.							
Paulding County									
Charloe	08	1800EST			0	0	0		Thunderstorm Wind
		Tree blown down.							
Paulding County									
Oakwood	08	1800EST			0	0	0		Thunderstorm Wind
		Power lines blown down.							

Storm Data and Unusual Weather Phenomena

October 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Persons Injured	Estimated Damage Property Crops	Character of Storm
INDIANA, Northeast								
La Porte County								
Wanatah to 4 E Rolling Prairie	24	1515EST 1553EST	33	1760	1	0	750K	Tornado (F2)
		F57MH						
St. Joseph County								
7 W Westfield to 5 W Westfield	24	1553EST 1555EST	2	150	0	0	250K	Tornado (F0)
		Tornado touched down on the north side of Wanatah in Laporte county and moved northeast into St Joseph county 4 miles east of Rolling Prairie. One woman was killed 4 miles east of Laporte in her mobile home where F2 damage occurred. Most damage was F1 with an average path width of 600 yards.						
Starke County								
North Judson	24	1515EST			0	0	0	Thunderstorm Wind
		Law enforcement reported trees and power lines down across much of the western portion of county.						
La Porte County								
La Porte	24	1520EST			0	0		Hail(0.75)
White County								
Chalmers	24	1530EST			0	0	0.50K	Thunderstorm Wind
		Trained spotter reported trees down and a TV and Radio tower down in Chalmers.						
White County								
Monticello	24	1530EST			0	0	0	Thunderstorm Wind
		Law enforcement reported trees down in Monticello.						
Pulaski County								
Star City	24	1536EST			0	0	0	Thunderstorm Wind
		Law enforcement reported trees down near Star City.						
Pulaski County								
Thornhope	24	1540EST			0	0	0	Thunderstorm Wind
		Law enforcement reported trees down near Thornhope.						
White County								
Countywide	24	1540EST			0	0	15K	Thunderstorm Wind
		Emergency manager reported trees and power lines down countywide with roof damage to several structures including barns and small business facilities.						
Starke County								
Grovertown	24	1543EST			0	0	0	Thunderstorm Wind (G61)
		A 70 MPH thunderstorm gust reported by Ham radio operator in Grovertown.						
La Porte County								
Stillwell	24	1545EST			0	0	2K	Thunderstorm Wind
		Law enforcement reported roof damage to home and power lines down near Stillwell.						
Marshall County								
Countywide	24	1600EST			0	0	0	Thunderstorm Wind
		Newspaper articles reported tree limbs and power lines down across the county.						
Fulton County								
Kewanna	24	1601EST			0	0	1K	Thunderstorm Wind
		Law enforcement reported trees down and roof damage to a home and a barn near Kewanna. A shed was also destroyed.						
Cass County								
Twelve Mile	24	1605EST			0	0	0	Thunderstorm Wind
		Law enforcement reported trees down near Twelve Mile.						
Cass County								
Lucerne	24	1620EST			0	0	0	Thunderstorm Wind
		Law enforcement reported trees down near Lucerne.						
St. Joseph County								
3 S Osceola	24	1624EST			0	0	0	Thunderstorm Wind
		HAM radio operator reported trees down near Osceola.						

Storm Data and Unusual Weather Phenomena

October 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property Crops	Character of Storm
INDIANA, Northeast								
Elkhart County								
Elkhart	24	1630EST			0	0	0	Thunderstorm Wind
								Law enforcement reported trees and power lines down in Elkhart.
Kosciusko County								
2 N North Webster	24	1630EST			0	0		Hail(0.75)
Elkhart County								
Countywide	24	1635EST			0	0	10K	Thunderstorm Wind
								Emergency Manager reported trees and power lines down across the county as well as damage to roofs on houses and outbuildings.
Miami County								
2 W Converse	24	1648EST			0	0		Hail(1.00)
Huntington County								
Roanoke	24	1650EST			0	0	0	Thunderstorm Wind
								Law enforcement reported trees down in Roanoke.
Lagrange County								
Shipshewana	24	1650EST			0	0	0	Thunderstorm Wind
								Law enforcement reported trees down in Shipshewana.
Lagrange County								
5 S Valentine to Valentine	24	1650EST			0	0	2.5K	Thunderstorm Wind
								Law enforcement reported a large tree down on house near Valentine.
Wabash County								
1 NW La Fontaine	24	1650EST			0	0		Hail(0.75)
Whitley County								
2 E Columbia City	24	1650EST			0	0		Hail(1.75)
Grant County								
Mier	24	1655EST			0	0		Thunderstorm Wind (G51)
								Trained spotter reported an estimated 60 MPH thunderstorm gust.
Noble County								
Countywide	24	1700EST			0	0	400K	Thunderstorm Wind
								Noble county Fire/rescue reported trees and power lines down across much of the county. Emergency management reported damage to homes from fallen trees and roof damage.
Whitley County								
Columbia City	24	1704EST			0	0		Hail(1.25)
De Kalb County								
6 NW Waterloo	24	1737EST			0	0	3K	Thunderstorm Wind
								HAM radio operator reported roof blown off house near Waterloo.
Adams County								
5 SE Monroe	24	1750EST			0	0		Hail(0.75)
St. Joseph County								
1 SW Crumstown to 6 NNW South Bend	24	1550EST 1610EST	15	1320	1	2	3M	Tornado (F3)
								This tornado touched down just southwest of Crumstown in St Joseph county Indiana and moved northeast into Berrien county Michigan (see Storm Data for Michigan, Extreme Southwest for more information on the end portion of this tornado). In St Joseph county Indiana the most significant damage was across Crumstown, where F3 damage with a path width up to 3/4 mile occurred. The tornado then moved to near the Michiana Regional Airport and across the Indiana Turnpike causing F0-F1 damage. Two men were injured northwest of South Bend. One man later died from his injuries. The tornado moved into Berrien county Michigan 6 miles NNW of South Bend.
								M49BU
St. Joseph County								
3.8 NW Osceola to 4.7 N Osceola	24	1605EST 1609EST	2.4	50	0	0	300K	Tornado (F1)

Storm Data and Unusual Weather Phenomena

October 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Persons Injured	Estimated Damage Property Crops	Character of Storm
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INDIANA, Northeast

Elkhart County

3.2 WNW (Ekm)Elkhart 24 1609EST 3 50 0 0 50K Tornado (F0)
1 N (Ekm)Elkhart Muni 1613EST

Tornado touched down near intersection of Douglas and Bittersweet Roads in eastern St Joseph county and skipped northeast into extreme northwest Elkhart county where it crossed the Indiana Toll Road before lifting. Damage included a Toll Road administration building and 2 storage facilities. 9 cars were also damaged in the parking lot.

St. Joseph County

2 SE Mishawaka to 24 1605EST 4.5 1320 0 0 1.3M Tornado (F2)
3.4 NE Osceola 1608EST

Elkhart County

4.4 W Elkhart to 24 1608EST 0.1 400 0 3 936K Tornado (F0)
4.3 W Elkhart

Tornado touched down southeast of Mishawaka and traveled northeast through the west side of Osceola before moving into Elkhart county northeast of Osceola. F2 damage occurred between Mishawaka and Osceola. The tornado then skipped as it went into Elkhart county causing F0 damage in the Cobus Green mobile home park before lifting.

Marshall County

2 SE Tippecanoe to 24 1615EST 3 150 0 0 5K Tornado (F0)
4 E Tippecanoe 1620EST

Kosciusko County

3 N Mentone to 24 1620EST 17 150 0 14 2.5M Tornado (F1)
2 NE North Webster 1650EST

Noble County

Indian Vlg to 24 1650EST 19 150 0 0 400K Tornado (F1)
Rome City 1705EST

Tornado touched down in extreme southeast Marshall county and moved northeast across Kosciusko county and into Noble county where the tornado dissipated near Rome City. Most significant F1 damage was north of Warsaw Indiana where 14 people were hurt at a factory when a wall collapsed. Most of the damage was F0-F1 along the 33 mile path. Average path width was 150 yards.

Noble County

1 E Kendallville to 24 1700EST 4 300 0 0 1.1M Tornado (F1)
3.8 NE Kendallville 1711EST

De Kalb County

3.2 NW Corunna to 24 1711EST 7 440 0 0 1M Tornado (F2)
1 N Summit 1726EST

Steuben County

.5 S Steubenville to 24 1726EST 1.5 150 0 0 20K Tornado (F0)
1 N Steubenville 1728EST



One fatality occurred when an F2 tornado struck this manufactured home 4 miles east of Laporte Indiana.

Storm Data and Unusual Weather Phenomena

October 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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INDIANA, Northeast

Tornado touched down east of Kendallville with F1 damage to homes and warehouses in and near the Kendallville East Industrial park. Tornado then moved northeast into Dekalb county where F2 damage occurred around Fairfield Center with significant damage to homes. Then tornado moved southeast of Ashley with F1 damage and then moved into Steuben county south of Steubenville doing F0 damage to a barn before lifting north of Steubenville.

On Wednesday 10/24/01 a surface low pressure system tracked rapidly northeast from the mid Mississippi Valley to northern Lake Michigan and deepened significantly. The accompanying cold front surged east from the Mississippi Valley during the afternoon to southeast Michigan and western Ohio in the evening. The deepening surface low was the result of a negatively tilted upper level trough approaching the Mississippi Valley. The air mass ahead of the cold front was quite unstable with lifted indices around -5C and surface dewpoints of 65-70F. Strong veering wind fields were over the area with 20-30kt S-SSE flow at the surface veering rapidly in the low levels to southwest at 45kts, then remaining unidirectional above with wind speeds increasing to 65kt at 20,000 ft. An area of Thunderstorms across Illinois in the early afternoon formed into a line as they moved into northwest Indiana. Two strong bow echoes developed over northwest and north central Indiana during the late afternoon and moved northeast at 50 MPH into southern Michigan. Numerous tornadoes occurred in the comma heads of the bow echoes. Isolated supercells ahead of the main squall line produced little severe weather except for a tornado that occurred over northwest Ohio in the evening when the squall line merged with a supercell.

INZ032

Grant

25 1230EST
1420EST

0

0

0

High Wind

Two large trees down in Marion knocked down power lines.

MICHIGAN, Extreme Southwest

Berrien County

Buchanon

24 1600EST

0

0

0

Thunderstorm Wind

Law enforcement reported trees down in Buchanon

St. Joseph County

Countywide

24 1700EST

0

0

0

Thunderstorm Wind

Law enforcement reported trees down countywide.

Branch County

Sherwood

24 1730EST

0

0

10K

Thunderstorm Wind

Law enforcement reported large power poles down with damage to roofs on a barn and an outbuilding.

Branch County

7 N Coldwater

24 1735EST

0

0

2K

Thunderstorm Wind

Law enforcement reported trees down and a barn destroyed near Coldwater.

Hillsdale County

3 E Camden

24 1800EST

0

0

10K

Thunderstorm Wind

Law enforcement reported trees and power lines down near Camden. 3 houses also had roof damage and a shed and a barn were destroyed.

Hillsdale County

1 N Frontier

24 1807EST

0

0

0

Thunderstorm Wind

Law enforcement reported trees down near Frontier.

Hillsdale County

10 E Camden

24 1810EST

0

0

5K

Thunderstorm Wind

Law enforcement reported several large grain bins and barns damaged near Camden.

Berrien County

6 S Niles to
1 SE Niles

24 1610EST
1615EST

3

440

0

0

750K

Tornado (F1)

Cass County

8 W Edwardsburg to
5 E Marcellus

24 1615EST
1645EST

24

440

0

0

5M

Tornado (F1)

St. Joseph County

1 W Howardsville to
1 N Flowerfield

24 1645EST
1650EST

5

440

0

0

100K

Tornado (F0)

Storm Data and Unusual Weather Phenomena

October 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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MICHIGAN, Extreme Southwest

This tornado crossed into Berrien county Michigan from St Joseph county Indiana south of Niles (see Storm Data for Indiana, Northeast for more information on the beginning portion of this tornado in Indiana). The tornado tracked northeast across extreme southeast Berrien county, then across Cass county and the northeast corner of St Joseph county Michigan. F1 damage was reported south of Niles, near Edwardsburg, and in Cassopolis. The tornado was skipping as it caused general F0 to F1 damage across northeast Cass county and northwest St Joseph county.

St. Joseph County

3 SW White Pigeon to
1 N White Pigeon

24 1640EST 4 400 0 1 322.2K Tornado (F1)
1643EST

Tornado touched down north of the Elkhart/St Joseph Michigan county line southwest of White Pigeon and skipped northeast before lifting north of White pigeon. F1 damage near SR 131 and SR 12 to buildings and high tension wires.

St. Joseph County

2 W Colon to
2 E Leonidas

24 1710EST 5 400 0 0 100K Tornado (F1)
1713EST

Tornado skipped along a 5 mile path. F1 damage included a well constructed barn destroyed with debris thrown about one half mile.

Hillsdale County

1 SW Ransom to
1 N Ransom

24 1800EST 2 60 0 0 350K Tornado (F1)
1802EST

Tornado with F1 damage mainly on the north side of Ransom. Garages and sheds destroyed and significant roof damage to homes with twisting of signs and trees.

MIZ077>078-078>079-
079>080

Berrien - Cass - St. Joseph - Branch

25 0900EST 0 0 0 High Wind
2045EST

Law enforcement reported trees and power lines down in numerous locations across these counties.

OHIO, Northwest

Van Wert County

Middle Pt

24 1826EST 0 0 Hail(0.75)

Putnam County

Ottoville

24 1830EST 0 0 Hail(1.75)

Van Wert County

Wetsel

24 1835EST 0 0 Hail(0.75)

Van Wert County

6 E Middle Pt to
9 E Middle Pt

24 1835EST 3 440 0 0 Tornado (F0)
1840EST

Putnam County

2 SW Ft Jennings to
2 E Belmore

24 1840EST 29 1320 0 0 1M Tornado (F3)
1912EST

Tornado touched down in extreme southeast Van Wert county northwest of Delphos as an F0 and moved northeast into Putnam county southwest of Fort Jennings. F3 damage occurred 2 miles southwest of Ottawa in Putnam county with significant damage to well built homes and structures. The tornado was skipping across northeast Putnam county with F1-F2 damage before lifting just south of the Henry county line east of Belmore.

Storm Data and Unusual Weather Phenomena

November 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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INDIANA, Northeast

INZ003

La Porte

16 0700EST

1

0

Fog

Dense fog was a major factor in an accident at the intersection of SR 39 and U.S. 30 near Hanna, Indiana. A semi pulled out onto U.S. 30 and was struck from behind by a vehicle. The occupant of the vehicle was killed instantly. Sheriff's deputies reported visibility was near zero at the time of the crash.

M57VE

Allen County

Arcola

24 2140EST

0

0

5K

Thunderstorm Wind

Public reported 2 barns destroyed in Arcola.

Wells County

Bluffton

24 2140EST

0

0

Hail(0.75)

Allen County

3 W Woodburn

24 2205EST

0

0

Thunderstorm Wind (G52)

A trained spotter reported a wind gust estimated around 60 mph near Woodburn.

MICHIGAN, Extreme Southwest

Hillsdale County

Hillsdale

24 2230EST

0

0

0

Thunderstorm Wind

Emergency management reported trees down over much of the county.

Storm Data and Unusual Weather Phenomena

December 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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INDIANA, Northeast

INZ004

St. Joseph

28 1700EST
29 1700EST

0 0

Heavy Snow

A lake effect snow event produced snow bands over much of Southwest Lower Michigan and Northwest Indiana. Snowfall was heaviest across Berrien county Michigan and ST. Joseph county Indiana. Nine inches of snow fell across South Bend and ten inches fell in both Buchanan and Berrien Springs.

MICHIGAN, Extreme Southwest

MIZ077>078

Berrien - Cass

23 2200EST
24 2200EST

0 0

Heavy Snow

Heavy lake effect snow began falling across Cass and Berrien counties the evening of December 23rd and continued throughout the day and night of the 24th. Snow accumulations in 24 hrs averaged one foot across the region. Niles in Berrien county reported 8 inches, with 14 inches in Dowagiac the greatest 24 hour total reported. This event was the first major lake effect snow of the season.

MIZ077

Berrien

28 1700EST
29 1700EST

0 0

Heavy Snow

A lake effect snow event caused widespread snow across Southwest Lower Michigan and Northwest Indiana. The heaviest snow fell across Berrien county Michigan and ST. Joseph county Indiana. Ten inches of snow fell across Buchanan and Berrien Springs and nine inches fell across South Bend.